INFORMATION REPORT INFORMATION REPORT

CENTRAL INTELLIGENCE AGENCY

	म प्रेंग व छ		25X1
OUNTRY	East Germany	REPORT	25X1
UBJECT	VEB EFEM Development Tasks in April 1955	L DATE DISTR. 9 August 1955 NO. OF PAGES 5	
DATE OF INFO.		REQUIREMENT NO. RD REFERENCES 25X	
ATE ACQUIRED		This is UNEVALUATED Information	19
1. The	VEB Entwicklung und Fertigung Elekt:	rische Messinstrumente (development	25X1
tas a. Rot	Switch Board Instruments: (a) Direct current ink record (b) Current recorder (c) Voltage recorder (d) Power supply for switchbo (Geradfuehrung)	25X pard installation with direct feed DME. Only 15,000 DME have so far	
The	apparatus for electrodynamic m (a). Twin - triple lead direct (b). Single phase current (one (c). Triphase current of equal gleicher Belastung mit zu (one measuring instrument (d). Triphase current of optio (two measuring instrument (e). Quadruple lead triphase of e design for this equipment is completed and will be passed	project is being held up., pard output gauge with iron-sealed measurements. t current e measuring instrument) l load with accessible point (Drehstrom ugaenglichem Nullpunkt) t) onal load without neutral feeder ts) current (three measuring instruments). ete. Production models have been ed, together with the plans, to the VEH (EAW), Berlin-Treptow, for series pro-	
We:	ction. 100,000 Drie have been paid to		0.51
W e: du	(3) Electrom (a). for attracting current a		25)

	S-E-C-R-E-T	25X1
		25X1
	-2-	
		•
	nating voltage of 10 to 600 V.	
The design is complete plant for series produc	and a prototype of each is to be passed to the Treptow tion.	
(4)	Electromagnetic switchboard instrument	25X1
delivered to VEB Geraet	d in March 1955; 15 prototypes have been built and lewerk Karl-Marx-Stadt. That factory will carry out the relopment costs totalled 50,000 DME.	
b. Ships Instruments		25X1
(1) (a). Electrogo	niometer (phase meter)	25/(1
(b). Wattmeter (c). Frequency	registering up to 100 watts	
(d). Synchrono	scope	
(e). Electroly (f). DC and AC	te counter current and voltage meters.	
constructed. 600,000 money is insufficient	for the USSR; 10 prototypes of each one are to be DME have been allotted for development, but as this to produce detailed plans, it has been decided to nts from simple sketches.	
	s for the USSR	
c. Mascellaneous lask	Instrument for recording traces of gas1	25X1
The design of this ins costs are estimated at for this task.	trument is still in the laboratory stage. Development 80,000 DME. VEB EFEM has so far received 40,000 DME	
(2)	Testing instrument for low drift crystal (Schwingquarz).	25 X 1
The design was complet	ed during March 1955 at a total cost of 60,000 DME.	0EV4
A prototype is being o	onstructed. The task was set in 1953/4	25X1 25X1
(3)	Radiation measuring instrument.	23/1
150,000 DME have been		
(4)	Vibration recorder.	25X1
		25X1
This is a converted from the USSR). The conver	equency me out	23/1
(5)	Transportable recorder for carbon monoxide trace	s. 25X1
The design is complete	and two prototypes are under construction.	
	s for the East German government unknown destinations.	
(1)	Reflecting galvanometer.	25 X 1
This instrument is states task.	ill under development. 30,000 DME have been paid for the	
(2)	Bolometer Amplifier for AC - DC recorder.	25 X 1
Work has not begun as ment costs of 20,000	no money has been received towards the estimated develop- \mathtt{DME}_{\bullet}	•
	S-E-C-R-E-T	25 X 1
		9 1

	S-E-C-R-F-T	25 X 1
	O-mineries in a large state of the state of	. 25X1
	-3-	
(3)	: Supersensitive relay.	25 X 1
	n the laboratory. 10,000 DME have been paid for the task.	
(4)	Magnetetalon, 2	25 X 1
	Costs are estimated at about 3000 DME.	
(5)	Measuring bench (Messplatz).	25 X 1
	elled during May 1955.	
. (6)	Ferrometer.	25 X 1
Lack of money is ho	olding up development. Of the estimated costs (70,000 DME have been paid to VEB EFEM.	
(7)	Vectormeter assembly for magnetic measurements.	25 X 1
Only half the costs	s of development, 20,000 DME, have been made available to	
· (8)	Electromechanical amplifier.	25 X 1
No work has yet beg been received.	gun. Costs are estimated at 35,000 DME, but no money has	
(9)	Oscillation contact (Schwingkontakt) rectifier.	25 X 1
Work began in Febru have been received	uary 1955. The task is in the design stage and 12,000 DME for its development. Two prototypes have been ordered.	
(10)	Loss factor measuring bridge.	25 X 1
Work began in Febru have so far been re	uary 1955. 15,000 DME of the estimated costs of 35,000 DME eccived.	
(11)	Ballistic wattmeter for measurement of switch output (Schaltleistungen).	25 X 1
Under development	since February 1955. 10,000 DME have been paid for the tas	·k•
(12)	Current converter testing apparatus.	25 X 1
completed and the	doned during May 1955. During April 1955, the design was construction of prototypes begun after 20,000 DME had been The instrument was to have been used in the EAW, Treptow.	• .
(13)	Magnetic measuring amplifier.	25X1
Under development and DME have so far be	since January 1955. Estimated costs: 25,000 DME. 10,000 per received.	
(14)	Direct voltage amplifier for biological use.	25 X 1
Under development DME have so far be	since February 1955. Estimated costs: 70,000 DME. 25,000 pen paid.	
(15)	Single phase electrometer.	25X1
Under development.	Estimated costs: 20,000 DAE.	
	S_E_C_R_E_T	25 X 1

			25X1
	S-E-C-R-E-T		25X1
	-4-		
(16)	Magnometer.		25 X 1
		0 DME. 30,000 DME have so far	
(17)	High frequency	watt/hour counter.	25 X 1
	mary 1955 and no osts, 35,000 DME,	w undergoing laboratory tests. have been received.	
(18)	Polarograph.		25X1
Estimated costs: 80,000 DM	E. 30,000 DME ha	ve so far been received.	
(19)	Dietze Anleger	_• 3	25X1
In the design stage. Estima	ated costs: 20,0	OO DME.	
(20)	Measuring inst	rument for concrete road constructi	on. 25X1
This task was abandoned dur:	ing May 1955. Co	sts were estimated at 20,000 DME.	
(21)	Direction	nal characteristic reproducer.	25 X 1
The design was completed in	March 1955; a pr	ototype model is being constructed.	
(22)	High frequence range 100 kcs	y current converter (frequency = 200 mcs).	25X1
In design stage.			
(23)	Frequency meter	800 - 50,000 cycles.	25 X 1
Completed March 1955.	_		
(24)	Ground humidity	measuring instrument.	25 X 1
A prototype is being constr	ucted.		0574
(25)		Prism spectrograph.	25X1
	ring April 1955, ost: 75,000 DME.	but further work is held up for	
35,000DME have so far been	paid.		
(26)	Light path recor	rder.	25X1
A new type of light path re	corder on which v	work has not yet begun.	
(27)	8 - loop oscille	ograph.	25 X 1
The design for this instrumis being constructed.	ent was completed	in March 1955 and a prototype	
(28)		Ink recorder for automatic level recording set.	25X1
This apparatus has been ord Dresden and should be compl	lered by a unidendered by July 195	tified) scientific institute in 5.	
	S-E-C-R-E-T	· ·	25 X 1

	!5X1
S-E-C-R-E-T	25
-5-	
	25
	20
y 1955 and now in commission.	<u>-</u> -
Polarograph with photoelectric amplifier and ink recorder.	25. I
rototypes are being built and a total of 20 are to be matter to be held up for lack of money.	
: Ammeter with Schleppzeiger. 5	25
Presumably this is a magnetic standard. Dietz feeder or applicator - a vacuum system for moving	25X1 25
melted material. Vacuum smelting plant or vacuum melt transmitter - a vacuum system for moving melted material. Cake it that this is an instrument for showing the higher at reached by a fluctuating current.	0.5
	25)
rt Vr	Yakuum—Schmelzanlage).4 y 1955 and now in commission. Polarograph with photoelectric amplifier and ink recorder. cototypes are being built and a total of 20 are to be more be held up for lack of money. : Ammeter with Schleppzeiger.5 task on behalf of VEB Funkwerk Koepenick which provided EEEEM has now added a Schleppzeiger. The instrument retention of maximum values. Tresumably this is a magnetic standard. dietz feeder or applicator - a vacuum system for moving elted material. acuum smelting plant or vacuum melt transmitter - a acuum system for moving melted material. ake it that this is an instrument for showing the higher

705 - 1 De 140

4. 5.

25X1